

**Data sheet | Item number: 734-141**

THT male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mismatching; Pin spacing 3.5 mm; 11-pole; light gray

[www.wago.com/734-141](http://www.wago.com/734-141)



Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.



### Item description

- Horizontal or vertical PCB mounting via straight or angled solder pins
- 100% protected against mismatching; only mating halves with the same number of poles can be connected together
- Coding option available

### Data

#### Notes

Safety information

The *MCS – MULTI CONNECTION SYSTEM* includes connectors

Subject to changes. Please also observe the further product documentation!

---

WAGO GmbH & Co. KG

Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.



without breaking capacity in accordance with DIN EN 61984. When used as intended, these connectors must not be connected /disconnected when live or under load. When used as intended, these connectors must not be connected/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated.

## Variants:

Other pole numbers

Gold-plated or partially gold-plated contact surfaces

Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>.

## Electrical data

### Ratings per IEC/EN

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	160 V
Rated impulse voltage (III/3)	2.5 kV
Rated voltage (III/2)	160 V
Rated impulse voltage (III/2)	2.5 kV
Nominal voltage (II/2)	320 V
Rated surge voltage (II/2)	2.5 kV
Rated current	10 A
Legend (ratings)	(III / 2) $\hat{=}$ Overvoltage category III / Pollution degree 2

### Ratings per UL

Approvals per	UL 1059
Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	10 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	10 A

### Ratings per CSA

Approvals per	CSA
Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	10 A
Rated voltage CSA (Use Group D)	300 V
Rated current CSA (Use Group D)	10 A

Subject to changes. Please also observe the further product documentation!

WAGO GmbH &amp; Co. KG

Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.



### Connection data

Total number of potentials	11
Number of connection types	1
Number of levels	1

### Connection 1

Pole number	11
-------------	----

### Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	40.9 mm / 1.61 inches
Height	14.8 mm / 0.583 inches
Height from the surface	10.3 mm / 0.406 inches
Depth	8.5 mm / 0.335 inches
Solder pin length	4.5 mm
Solder pin dimensions	1 x 1 mm
Drilled hole diameter with tolerance	1.4 <sup>(+0.1)</sup> mm

### Mechanical Data

Variable coding	Yes
Anti-rotation protection	Yes

### Plug-in connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for PCB
Mismating protection	Yes
Plugging without loss of pin spacing	No
Mating direction to the PCB	90 °
Locking of plug-in connection	none

### PCB contact

PCB contact	THT
Solder pin arrangement	over the entire male connector (in-line)
Number of solder pins per potential	1

Subject to changes. Please also observe the further product documentation!



## Material Data

Note (material data)

Information on material specifications can be found here

Color	light gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E <sub>Cu</sub> )
Contact plating	Tin
Fire load	0.04 MJ
Weight	2.4 g

## Environmental requirements

Limit temperature range	-60 ... +100 °C
Processing temperature	-35 ... +60 °C

## Commercial data

Product Group	3 (Multi Conn. System)
eCl@ss 10.0	27-44-04-02
eCl@ss 9.0	27-44-04-02
ETIM 8.0	EC002637
ETIM 7.0	EC002637
PU (SPU)	100 pcs
Packaging type	box
Country of origin	PL
GTIN	4044918847704
Customs tariff number	85366930000

## Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
------------------------	-------------------------

## Approvals / Certificates

### General approvals

Logo	Approval	Additional Approval Text	Certificate name

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG  
 Hansastr. 27  
 32423 Minden  
 Phone: +49571 887-0 | Fax: +49571 887-169  
 Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?  
 We are always happy to take your call at +49 (571) 887-44222.



<b>CCA</b> DEKRA Certification B.V.	EN 61984	2169534.02
<b>CCA</b> DEKRA Certification B.V.	EN 61984	nl-54190
<b>CSA</b> DEKRA Certification B.V.	C22.2	1465035
<b>UL</b> Underwriters Laboratories Inc.	UL 1977	E 45171
<b>UR</b> Underwriters Laboratories Inc.	UL 1059	E45172

## Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	<b>Railway</b> WAGO GmbH & Co. KG	-	Railway Ready

## Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	<b>ABS</b> American Bureau of Shipping	-	19-HG1869876-PDA
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE000016Z
	<b>LR</b> Lloyds Register	IEC 61984	96/20035 (E5)

## Counterpart

<b>Item no.734-111</b> 1-conductor female connector; CAGE CLAMP®; 1.5 mm <sup>2</sup> ; Pin spacing 3.5 mm; 11-pole; 100% protected against mismatching; 1,50 mm <sup>2</sup> ; light gray	<a href="http://www.wago.com/734-111">www.wago.com/734-111</a>
<b>Item no.2734-111</b> 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm <sup>2</sup> ; Pin spacing 3.5 mm; 11-pole; 100% protected against mismatching; 1,50 mm <sup>2</sup> ; light gray	<a href="http://www.wago.com/2734-111">www.wago.com/2734-111</a>
<b>Item no.2734-111/027-000</b> 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm <sup>2</sup> ; Pin spacing 3.5 mm; 11-pole; 100% protected against mismatching; clamping collar; 1,50 mm <sup>2</sup> ; light gray	<a href="http://www.wago.com/2734-111/027-000">www.wago.com/2734-111/027-000</a>
<b>Item no.2734-111/037-000</b> 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm <sup>2</sup> ; Pin spacing 3.5 mm; 11-pole; 100% protected against mismatching; Lateral locking levers; 1,50 mm <sup>2</sup> ; light gray	<a href="http://www.wago.com/2734-111/037-000">www.wago.com/2734-111/037-000</a>
<b>Item no.734-111/037-000</b>	<a href="http://www.wago.com/734-111/037-000">www.wago.com/734-111/037-000</a>

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.



1-conductor female connector; CAGE CLAMP®; 1.5 mm <sup>2</sup> ; Pin spacing 3.5 mm; 11-pole; 100% protected against mismatching; Lateral locking levers; 1,50 mm <sup>2</sup> ; light gray	111/037-000
<b>Item no.734-111/037-000/034-000</b>	<a href="http://www.wago.com/734-111/037-000/034-000">www.wago.com/734-111/037-000/034-000</a>
1-conductor female connector; CAGE CLAMP®; 1.5 mm <sup>2</sup> ; Pin spacing 3.5 mm; 11-pole; 100% protected against mismatching; Lateral locking levers; Strain relief plate; 1,50 mm <sup>2</sup> ; light gray	
<b>Item no.734-541/037-000</b>	<a href="http://www.wago.com/734-541/037-000">www.wago.com/734-541/037-000</a>
THT female header; angled; Pin spacing 3.5 mm; 11-pole; 100% protected against mismatching; Locking lever; 0.9 x 0.9 mm solder pin; light gray	
<b>Item no.734-471</b>	<a href="http://www.wago.com/734-471">www.wago.com/734-471</a>
THT female header; straight; Pin spacing 3.5 mm; 11-pole; 100% protected against mismatching; 0.9 x 0.9 mm solder pin; light gray	
<b>Item no.734-541</b>	<a href="http://www.wago.com/734-541">www.wago.com/734-541</a>
THT female header; angled; Pin spacing 3.5 mm; 11-pole; 100% protected against mismatching; 0.9 x 0.9 mm solder pin; light gray	
<b>Item no.734-471/037-000</b>	<a href="http://www.wago.com/734-471/037-000">www.wago.com/734-471/037-000</a>
THT female header; straight; Pin spacing 3.5 mm; 11-pole; 100% protected against mismatching; Locking lever; 0.9 x 0.9 mm solder pin; light gray	

## Optional accessories

<b>Coding</b>	
Coding	
<b>Item no.: 734-159</b>	<a href="http://www.wago.com/734-159">www.wago.com/734-159</a>
Coding key; to be snapped above top level; black	
<b>Item no.: 734-130</b>	<a href="http://www.wago.com/734-130">www.wago.com/734-130</a>
Coding key; to be snapped above top level; white	

## Downloads

### Documentation

#### Additional Information

	2019 年4月3日	pdf 2.0 MB	Download
--	------------	---------------	----------

## CAD/CAE-Data

### CAD data

2D/3D Models 734-141	URL	Download
----------------------	-----	----------

### PCB Design

Symbol and Footprint 734-141	URL	Download
------------------------------	-----	----------

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG  
 Hansastr. 27  
 32423 Minden  
 Phone: +49571 887-0 | Fax: +49571 887-169  
 Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?  
 We are always happy to take your call at +49 (571) 887-44222.



CAX data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

**Supported formats:**

- Accel EDA 14 & 15
- Altium 6 to current version
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad
- Mentor Graphics BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

---

**CAE data**

ZUKEN Portal 734-141	<a href="#">URL</a>	<a href="#">Download</a>
----------------------	---------------------	--------------------------

---

**Environmental Product Compliance**

**Compliance Search**

Environmental Product Compliance 734-141 THT male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mismatching; Pin spacing 3.5 mm; 11-pole; light gray	<a href="#">URL</a>	<a href="#">Download</a>
---	---------------------	--------------------------

---

Subject to changes. Please also observe the further product documentation!





## Installation Notes

### Coding



Coding a male header – fitting coding key(s).

## Product family

**MCS MINI**

[Show all products from the family](#)

Subject to changes. Please also observe the further product documentation!